

**Amendments to the Claims:**

The listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims:**

1. (currently amended) A method of broadcasting television-quality programmesprograms in real time to a client device in a system comprising a Production Process-Centre center (2), a remote service provider computer (3) and a plurality of remote client devices (4) each of which is connected to the service provider computer (3) by way of an uncontended communication channel (5), the method comprising the production process-centre center (2) transmitting a television quality programme program to the remote client device (4) via the remote service provider computer (3), the method further comprises the step of:
  - (a) the production process-centre center (2) receiving television programme program data from a remote television programme program source;
  - (b) the production process-centre center (2) processing the received television programme program data and converting the television programme program data into a plurality of digital television programme program viewing formats;
  - (c) transmitting at least one of the television programme program viewing formats to the remote service provider computer (3) along a dedicated uncontended connection line (6) interconnecting the production process-centre center (2) and the remote service provider computer (3); and

- (d) the service provider computer (3) transmitting one television ~~programme-program~~ viewing format to the remote client device (4) over the uncontended communication channel (5).
2. (currently amended) A method as claimed in claim 1 in which the remote service provider computer (3) comprises an Internet Service Provider (ISP) computer and the step of transmitting at least one of the television ~~programme-program~~ viewing formats to the service provider computer (3) comprises transmitting at least one of the television ~~programme-program~~ viewing formats to the ISP computer.
3. (currently amended) A method as claimed in claim 1 in which the remote service provider computer (3) comprises a mobile communications network service provider computer and the step of transmitting at least one of the television ~~programme-program~~ viewing formats to the service provider computer (3) comprises transmitting at least one television ~~programme-program~~ viewing format to the mobile communications network service provider computer.
4. (currently amended) A method as claimed in claim 1 in which the remote service provider computer (3) comprises a cable network service provider computer and the step of transmitting at least one of the television ~~programme-program~~ viewing formats to the service provider computer (3) comprises transmitting at least one television ~~programme-program~~ viewing format to the cable network operator computer.
5. (currently amended) A method as claimed in claim 1 in which the step of transmitting at least one television ~~programme-program~~ viewing format to the service provider computer (3) over a dedicated uncontended connection line (6) further comprises transmitting at least one television ~~programme-program~~ viewing format to the service provider computer over a dedicated uncontended dual connection link.

6. (currently amended) A method as claimed in claim 1 in which the step of transmitting at least one television-programme-program viewing format to the service provider computer (3) over a dedicated uncontended connection line (6) further comprises transmitting at least one television-programme-program viewing format to the service provider computer over a dedicated uncontended satellite link.
7. (currently amended) A method as claimed in claim 1 in which the step of processing the received television-programme-program data further comprises decoding the received television-programme-program data into standard Serial Digital Interface (SDI) format.
8. (currently amended) A method as claimed in claim 1 in which the step of processing the received television-programme-program data further comprises decoding the received television-programme-program data into standard multi format.
9. (currently amended) A method as claimed in claim 7 in which the received programme-program data is passed through a multiple signal decoder (13) to decode the received television-programme-program data into standard format.
10. (currently amended) A method as claimed in claim 1 in which the step of processing the received television-programme-program data further comprises editing the received television-programme-program data.
11. (currently amended) A method as claimed in claim 10 in which the step of editing the received television-programme-program data further comprises inserting advertisement commercials into the received television-programme-program data.

12. (currently amended) A method as claimed in claim 1 in which the step of converting the television-programme-program data into a plurality of digital television viewing formats comprises passing the television-programme-program data through a multiple encoding station (16).
13. (currently amended) A method as claimed in claim 1 in which the method further comprises the intermediate step of logging the received television programme-program data in production server computer memory for future use.
14. (currently amended) A method as claimed in claim 1 in which the method further comprises the intermediate step of storing metadata relating to each piece of received television-programme-program data in production server computer memory.
15. (currently amended) A method as claimed in claim 1 in which the method further comprises the intermediate step of pre-encoding the television-programme-program data before converting the television-programme-program data into a plurality of digital television viewing formats.
16. (currently amended) A method as claimed in claim 1 in which there is provided a data-centre-center computer (23) having data-centre-center memory intermediate the production process-centre-center (2) and the service provider computer (3) and connected to the production process-centre-center (2) and the service provider computer (3) by way of the dedicated uncontended connection line (6), and the television-programme-program viewing format transmitted to the remote service provider computer (3) from the production process-centre-center (2) is stored in the data-centre-center memory, the datacentre computer (23) transmitting the television-programme-program viewing format onwards to the remote service provider computer (3).

17. (currently amended) A method as claimed in claim 16 in which there are a plurality of data-centre-center computers (23), each data-centre-center computer (23) being connected to at least one other data-centre-center computer (23) by way of a back channel multiple cross connect uncontended connection line, the method including the step of each data-centre-center (23) sharing a television programme-program viewing format with the data-centre-center computer (23) connected thereto over the back channel multiple cross connect uncontended connection line.
18. (currently amended) A method as claimed in claim 16 in which the data-centre-center computer (23) is provided with means to edit the television-programme-program viewing format and the method further comprises the step of the data-centre-center computer editing the television-programme-program viewing format received from the production server computer (2).
19. (currently amended) A method as claimed in claim 18 in which the step of editing the television-programme-program viewing format at the datacentre computer (23) further comprises inserting location specific advertisement commercials into the television-programme-program viewing format.
20. (currently amended) A method as claimed in claim 1 in which the method further comprises the initial step of the remote client device (4) selecting a television-programme-program viewing format for reception from the remote service provider computer (3).
21. (currently amended) A method of controlling the transmission of television quality programmesprograms to a remote client device (4) by a service provider computer (3), in a system comprising a plurality of remote client devices (4) each connected to the service provider computer (3) by way of an uncontended broadband connection (5), and a remote production process-centre-center (2) connected to the service provider computer (3), the service provider computer (3)

receiving a television quality-programme-program from the remote production process-centre-center (2) and the service provider computer (3) transmitting the television quality-programme-program to the remote client device (4), the method further comprises the steps of:

(a) the service provider computer (3) receiving television-quality programmesprograms from the remote production process-centre-center (2) over a dedicated uncontended connection line (6) inter-connecting the remote production process-centre-center (2) and the service provider computer (3) in a plurality of television-quality programme-program viewing formats; and

(b) on request from one of the remote client devices (4), transmitting one of the television-quality programme-program viewing formats received from the remote production process-centre-center (2) to the remote client device (4) over the uncontended broadband connection line (5).

22. (currently amended) A method as claimed in claim 21 in which the initial step of the remote client device (4) selecting a television-quality-programme-program viewing format is performed.
23. (currently amended) A method as claimed in claim 21 or 22 in which the service provider computer (3) comprises an internet service provider (ISP) computer and the ISP computer performs the steps of receiving the television-quality programmesprograms and transmitting one of the television-quality-programme-program viewing formats to the remote client device (4).

24. (currently amended) A method as claimed in claim 21 in which the service provider computer (3) comprises a mobile communications network service provider computer and the steps of receiving the television-quality programmesprograms and transmitting one of the television-quality programme program viewing formats to the remote client device (4) are performed by the mobile communication network service provider computer.
25. (currently amended) A method as claimed in claim 21 in which the service provider computer (3) comprises a cable network service provider computer and the cable network service provider computer performs the steps of receiving the television quality programmesprograms and transmitting one of the television quality programme program viewing formats to the remote client device (4).
26. (currently amended) A method as claimed in claim 21 in which the method further comprises the step of inserting advertisement commercials into the television-quality programmesprograms by the service provider computer (3) before onward transmission to the remote client device (4).
27. (currently amended) A method as claimed in claim 21 in which the method further comprises the step of the service provider computer (3) monitoring television-quality programmesprograms sent to a remote client device (4).
28. (currently amended) A method as claimed in claim 27 in which the service provider computer (3) generates billing information for a remote client device (4) based on the monitoring of television-quality programmesprograms sent to that remote client device (4).
29. (currently amended) A method as claimed in claim 21 in which there is further provided a remote data-centre-center computer (23) connected to the dedicated uncontended connection line (6) intermediate the service provider computer (3) and the remote production process-centre-center (2) and television-quality

- programmesprograms are passed through the data-centre-center computer (23) en route to the service provider computer (3).
30. (currently amended) A method as claimed in claim 29 in which the method comprises the step of inserting advertisement material into the television quality programmesprograms by the remote data-centre-center computer (23) before onward transmission to the service provider computer (3).
31. (currently amended) A method of receiving real time television-quality programmesprograms in a client device (4), the client device being part of a system comprising a plurality of client devices (4) each connected to a remote service provider computer (3) by way of an uncontended communication link (5), and a remote production process-centre-center (2) connected to the remote service provider computer (3) by a dedicated uncontended connection line (6) therebetween, the method comprising the steps of:
- (a) the client device (4) making a television-quality programme—program viewing request to the remote production process-centre-center (2) via the remote service provider (3); and
- (b) receiving the television-quality—programme program associated with the television quality—programme program viewing request in a suitable television quality programme—program viewing format.
32. (currently amended) A method as claimed in claim 31 in which the method includes the initial step of the client device (4) selecting a suitable television quality—programme—program viewing format from a plurality of available television quality programme—program viewing formats.

33. (currently amended) A method as claimed in claim 31 in which the service provider computer (3) is an Internet Service Provider (ISP) computer and the step of making a television quality program viewing request to the remote production processcentrecenter(2) is made via the ISP computer.
34. (currently amended) A method as claimed in claim 31 in which the service provider computer (3) is a mobile communications network service provider computer and the step of making a television-quality program viewing request to the remote production processcentrecenter(2) is made via the mobile communications network service provider computer.
35. (currently amended) A method as claimed in claim 31 in which the service provider computer (3) is a cable network service provider computer and the step of making a television quality program viewing request to the remote production processcentrecenter(2) is made via the cable network service provider computer.
36. (currently amended) A method as claimed in claim 31 in which the method further comprises the initial steps of the client device (4) registering with the remote service provider computer as a system user.
37. (currently amended) A system for broadcasting television-quality programmesprograms to a client device (4) comprising a production process centrecenter(2), a remote service provider computer (3) and a plurality of remote client devices (4) each connected to the remote service provider computer (3) by way of an uncontended communication link (5), the production process centrecenter(2) transmitting a television-quality programmeprogram to the remote client device (4) via the remote service provider computer (3), the system further comprising:

(a) a dedicated uncontended connection line (6) interconnecting the production process-~~centre~~-center (2) and the service provider computer (3), the production process ~~centre~~-center (2) sending the television-quality ~~programme~~ program to the service provider computer (3) along the dedicated uncontended connection line (6);

and the production process-~~centre~~-center (2) comprising:

(b) a receiver for receiving television-~~programme~~ program data from a remote television-~~programme~~ program source;

(c) a processor for processing the received ~~programme~~ program data and means to convert the television ~~programme~~-program data into a plurality of digital television viewing formats;

(d) a transmitter for transmitting the television quality ~~programme~~ program in at least one of the digital television viewing formats to the service provider computer along the dedicated uncontended connection line.

38. (original) A system as claimed in claim 37 in which the remote service provider computer (3) comprises an Internet Service Provider (ISP) computer.
39. (original) A system as claimed in claim 37 in which the remote service provider computer (3) comprises a mobile communications network service provider computer.

40. (original) A system as claimed in claim 37 in which the remote service provider computer (3) comprises a cable network service provider computer.
41. (previously presented) A system as claimed in claim 37 in which the production process centre's processor further comprises means to decode a plurality of incoming data formats into a single standard format.
42. (currently amended) A system as claimed in claim 37 in which the production process—centre—center comprises a pre-encoder to pre-encode the television programme—program data.
43. (currently amended) A system as claimed in claim 37 in which the production process centre's means to convert the television—programme—program data into a plurality of digital television viewing formats comprises a multiple encoding station (16).
44. (currently amended) A system as claimed in claim 37 in which the production process—centre—center (2) has production process—centre—center memory and means to log television—programme—program data in production process—centre—center memory.
45. (currently amended) A system as claimed in claim 44 in which the production process—centre—center has means to store metadata relating to television programme—program data in production process—centre—center memory.
46. (previously presented) A system as claimed in claim 37 in which the dedicated uncontended connection line (6) is a dual-connectivity dedicated uncontended connection line.

47. (currently amended) A system as claimed in claim 37 in which there is additionally provided a satellite link (21) connecting the production process-~~centre~~ center (2) and the remote service provider computer (3).
48. (currently amended) A system as claimed in claim 37 in which there is provided a remote data-~~centre~~-center computer (23) connected to the dedicated uncontended connection line (6) intermediate the production process-~~centre~~ center (2) and the remote service provider computer (3) acting as an interface between the production process-~~centre~~-center (2) and the remote service provider computer (3), all data traffic between the production process-~~centre~~-center (2) and the service provider computer (3) passing through the remote data centre.
49. (currently amended) A system as claimed in claim 48 in which the remote data ~~centre~~-center computer further comprises a media server computer having means to receive and transmit television quality programming data.
50. (previously presented) A system as claimed in claim 48 in which there are a plurality of data centres, each datacentre being connected to at least one other datacentre by way of a multiple back channel cross connect uncontended connection line.
51. (currently amended) A system as claimed in claim 48 in which there are a plurality of service provider computers located adjacent each data-~~centre~~-center computer (23) and the data-~~centre~~-center computer (23) controls the flow of television-quality-~~programme~~-program data to each of the service provider computers (3).
52. (currently amended) A system as claimed in claim 48 in which the data-~~centre~~-center computer (23) comprises means to edit television-~~programme~~-program data received from the production process-~~centre~~-center (2).

53. (currently amended) A system for broadcasting television-quality programmesprograms to a remote client device (4) comprising a remote production process-centre-center(2), a service provider computer (3) and a plurality of remote client devices (4) each connected to the service provider computer (3) by way of an uncontended communication channel (5), the service provider computer (3) receiving a television-quality programme-program from the remote production process-centre-center(2) and transmitting the television-quality programme-program onwards to a remote client device (4), the system further comprising:
- (a) a dedicated uncontended connection line (6) interconnecting the remote production process-centre-center(2) and the service provider computer (3), the service provider computer (3) receiving the television-quality programme-program from the remote production process-centre-center(2) over the dedicated uncontended connection line (6) in a plurality of television-quality programme-program viewing formats; and
- (b) the service provider computer (3) having a receiver for receiving a television viewing request from a remote client device and a transmitter for transmitting one of the television-quality programme-program viewing formats over the uncontended connection line (5) to the remote client device.
54. (currently amended) A system as claimed in claim 53 in which there is provided a remote data-centre-center computer (23) connected to the dedicated uncontended connection line (6) intermediate the service provider computer (3) and the remote production process-centre-center(2) and television-quality programmesprograms are passed through the data-centre-center computer (23) en route to the service provider computer (3).
55. (previously presented) A system as claimed in claim 53 in which the service provider computer (3) is an Internet Service Provider (ISP) computer.

56. (previously presented) A system as claimed in claim 53 in which the service provider computer (3) is a Mobile Communications Network service provider computer.
57. (previously presented) A system as claimed in claim 53 in which the service provider computer (3) is a cable network service provider computer.
58. (previously presented) A system as claimed in claim 53 in which the service provider computer (3) has means to monitor the television viewing requests of each of the remote client devices (4).
59. (currently amended) A system as claimed in claim 53 in which the service provider computer (3) has means to edit the television quality programmesprograms.
60. (currently amended) A computer readable medium including a computer program comprising program instructions for causing a computer to carry out the method steps performed by the production process-~~centre~~-center (2) in claim 1.
61. (currently amended) A computer readable medium including a computer program comprising program instructions for causing a computer to carry out the method steps performed by the service provider computer (3) in claim 21.
62. (cancelled)
63. (cancelled)